

Notice of Allowability

Application No.

09/982,269

Examiner

Robert Stevens

Applicant(s)

MORY ET AL.

Art Unit

2162

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE filed 10/24/2007.
2. ☒ The allowed claim(s) is/are 1-9.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

1. The Office has withdrawn all rejections raised in the Non-Final Rejection mailed 7/20/2007.

Examiner's Amendment

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
3. See MPEP §1302.04 and MPEP §608.01(b) (noting section D in the Guidelines For The Preparation Of Patent Abstracts) discussing Examiners' Amendments of Abstracts upon allowance.

The application has been amended as follows:

In the specification/abstract:

4. Please replace the specification page 28 lines 1-18 (i.e., the Abstract) with the following:

The invention proposes an An encoding and a decoding method to be used for transmitting and storing description element(s) of an XML-like document which is an instance of an XML-like schema.

It consists in:

~~using at least one table derived from said schema, said table containing identification information for solely identifying each description element in a hierarchical level, and structural information for retrieving any child description element from its parent description element,~~

~~scanning a hierarchical memory representation of the instance from parent description elements to child description elements until reaching the description element to be encoded, and retrieving the identification information of each scanned description element,~~

~~encoding said description element to be encoded as a fragment comprising said content and a sequence of the retrieved identification information. Applications: XML; XML schema; MPEG-7~~

~~Fig-1~~

5. After a thorough search, and in light of the prior art of record, claims 1-9 are allowed.

Reasons For Allowance

6. The following is an examiner's statement of reasons for allowance:

The present invention is directed to encoding and decoding mechanisms for description elements represented as independent fragments in a stream, thereby ensuring random access to elements and attributes as well as a high level of flexibility in enabling incremental transfers.

The closest prior art, Buford et al (International Application No. PCT/US97/04574), is directed to techniques for the storage, transmission and presentation of a structured hypermedia document in a networked environment using a compact tree representation of the document. The further cited reference, Bruce Martin et al., editors, ("WAP Binary XML Content Format", W3C NOTE 24, June 1999, pp. 1-22), is a W3C encoding specification describing a compact binary representation of XML documents for reducing the transmission size of these documents. The additionally cited reference, Simon North et al. (Sam's Teach Yourself XML in 21 Days, Sam's Publishing, Indianapolis, IN, Mar. 1999, p. 105), is a book teaching XML concepts such as the use of information models known as schemas.

These references do not disclose the inclusion of a block size within the format of the transmitted content. Further, these references do not disclose the use of control bits for decoding the key information.

7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US Patent Application Publications

Rising et al	2007/0234192
Sull et al	2005/0193425
Tabatabai et al	2003/0031260
Walker et al	2003/0028557
Rising	2003/0037301
Tabatabai et al	2002/0198905
Rising et al	2002/0170070
Tabatabai et al	2002/0159519
Rising et al	2002/0138514
Rising et al	2002/0126666
Rising et al	2002/0120652
Rising	2002/0184336

US Patents

Rising et al	7,240,285
Walker et al	7,231,394
Tabatabai et al	7,203,692
Rising	7,089,543

Contact Information

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert Stevens whose telephone number is (571) 272-4102. The examiner can normally be reached on M-F 6:00 - 2:30.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E. Breene can be reached on (571) 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Robert Stevens
Examiner
Art Unit 2162

January 3, 2008



JOHN BREENE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100